

ABSTRACT OF THE DISCLOSURE

A transmitter subassembly ground return path comprises a coupling member having a plurality of layers. At least one of the layers includes a signal trace layer that has one or more signal traces coupling components of a transceiver substrate to components of the transmitter subassembly. At least one of the one or more signal traces can be coupled to a signal coupling capacitor. At least one of the ground plane layers can connect the body of the transmitter subassembly to one or more common mode grounding capacitors. The ground plane layers of the coupling member also shield at least some of the electromagnetic radiation that can emanate from the signal trace layer in high frequency data transmissions.

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